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						n Oil Company Page 1 of
	andra Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Sta			pera	tions	Summary Report
Legal Well			HILLS			
			HILLS U		O. 37	Spud Date: 12/19/2002
Event Nam		ORIGINAL DRILLING MCVAY DRILLING				Start: 12/13/2002 End:
Contractor						Rig Release: Group:
Rig Name:			DRILLI		1	Rig Number: 4
Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/21/2002	06:00 - 18:00	12.00	RIG	DMOB	MIRU	Location built by Key Const. Drilled & set 40' of 14" conductor pipe
						(GL). Cemented to surface. MIRU McVay #4. Held safety & spud
				1		meeting on Friday. Finished rigging up.Welded on 13 5/8" flange on
						conductor pipe. NU 13 5/8" 3 M Hydril & drilling spool. Shut down for
	00.00 00 00					night.
	06:00 - 08:00	1	WAIT	Crew	MIRU	Shut down.
	08:00 - 09:30	1.50	CHECK	SURF	MIRU	Perform Check of Surface Equipment. Start motors. Held safety
	09:30 - 12:45	3.25	DRILL	AIR		meeting.
	12:45 - 14:00	1	SURV	GYRO	DRLSUR	Spudded 12 1/4" hole @ 0900 hrs. CST. Air drilled f/ 57'-299'. Survey . RU Wildcat Auto Driller.
	14:00 - 17:30		DRILL	AIR	DRLSUR	Air Drilling
	17:30 - 17:45		SURV	GYRO	DRLSUR	Survey
	17:45 - 20:30	2.75	DRILL	AIR	DRLSUR	Air Drilling. 3" stream of water @ 706'. Switch to mist. 4 GPH of soap.
	20:30 - 21:15		CIRC	FILL	DRLSUR	Pumped on hole to unload water. No drag. No returns.
	21:15 - 22:15	1.00	DRILL	AIR	DRLSUR	Mist drilled f/ 706' t/ 737'. No drag on connection. Mist drilled f/ 737' t/
	22:15 00:00		51011			763'. Tight hole after making connection.
	22:15 - 06:00	1.15	FISH	JAR	DRLSUR	Backreaming out of hole due to a large boulder falling in on top of DC or
						hammer. Pipe can rotate OK & movement downward with drillstring.
						Can not go up with drillstring. Max pull-225,000# Made 13' of hole in 7
						hrs. Pumped 50 bbl sweep @ a -80 vis . Pumped water @ 12 BPM for
						15 mins. Torque is less without pumping air or water. Pulled free @ 0550 aM. TOOH w/ Hammer @ 0600 hrs.
2/23/2002	06:00 - 07:30	1.50	TRIP	вна	DRLSUR	Trip for BHA (Hammer). Found pin broke on Hammer. Left Hammer in
						hole.(6.90')
	07:30 - 11:00	3.50	TRIP	BBHD	DRLSUR	BHA/Bit Handling L/D Hammer. PU Bit, Shock sub, 12- 6 1/2" DC's,
	11.00 10.00					jars, HWDP.TIH.
	11:00 - 12:30 12:30 - 14:30		CIRC	FILL	DRLSUR	Tagged top of fish @ 756'.
	12:30 - 14:30		CIRC TRIP	CLN	DRLSUR	Pumped hole @ 3400 SCF of mist. No returns.
	14.00 - 17.00	2.50		BHA	DRLSUR	Had to backream from 746'-718' due to boulder in hole. TOOH. L/D
	17:00 - 18:00	1.00	WAIT	EQIP	DRLSUR	Shocksub. Wait on Shoe.
	18:00 - 20:00		TRIP		DRLSUR	PU 11 3/4" OD x 9 7/8" ID shoe. TIH.
	20:00 - 21:30		DRILL		DRLSUR	Reamed 65' to bottom. Boulder on top of shoe.
	21:30 - 06:00				DRLSUR	Mill/Cut. Milled overHammer @ 756'. Cut 17" @ 0600 hrs. Will atempt
2/24/2022						to cut 24". Mist drilling 4 GPH of Soap @ 12 BPH of fluid. 3400 SCF of
						Air. No returns.
	06:00 - 06:15				DRLSUR	Mill/Cut. Cut 16" fishing neck onto Hammer @ 756'.
	06:15 - 14:15	1			DRLSUR	Backreamed & jarred f/ 756' t/ 706'. Free after @ 706'.
	14:15 - 14:30	0.25			DRLSUR	TOOH. L/D shoe. Good marking on shoe.
	14:30 - 17:30	3.00	L L		DRLSUR	Trip in w/ 12 1/4" bit.
	18:30 - 19:30	1.00	CIRC	WSHD	DRLSUR	Washed 65' t/ top of fish @ 756'. Tagged 1' above fish. Washed t/ top
	19:30 - 21:00	1.50		BBHD	DRLSUR	of fish. Pumped on hole w/ air. No returns.
					UNLOUK	TOOH w/ 12 1/4" Bit. (small amount of drag 30' above fish.) L/D bit. PU
	21:00 - 23:00	2.00	FISH	RFSH	DRLSUR	11 3/4" overshot w/ 9 7/8" grapple. Run in Hole with 11 3/4" overshot.
	23:00 - 01:00	2.00		1	DRLSUR	Run in Hole with 11 3/4" overshot. Washed over fish.(60' above fish) Engaged fish: Jahring.
	01:00 - 06:00	5.00			DRLSUR	Backreamed f/ 756' t/ 746'. Backreaming & jarring @ 0600 hrg.
2/25/2002	06:00 - 08:00	2.00			DRLSUR	Pull out of Hole with Fishing Tools / Fish. No recovery. Had broke
	[grapple.
	08:00 - 09:00	1.00		віт	DRLSUR	
	09:00 - 11:00	2.00		LDDP	DRLSUR	
	11:00 - 15:30				DRLSUR	ND & removed 13 5/8" Hydril with Rotating head. Hobbs
	15:30 - 16:00	0.50	CEMT I	PLUG	DRLSUR	Dumped 20 yds of roady mix dawn hals
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